

FIG. 1 System for Selecting
Television Channels for display
on a Television Receiver

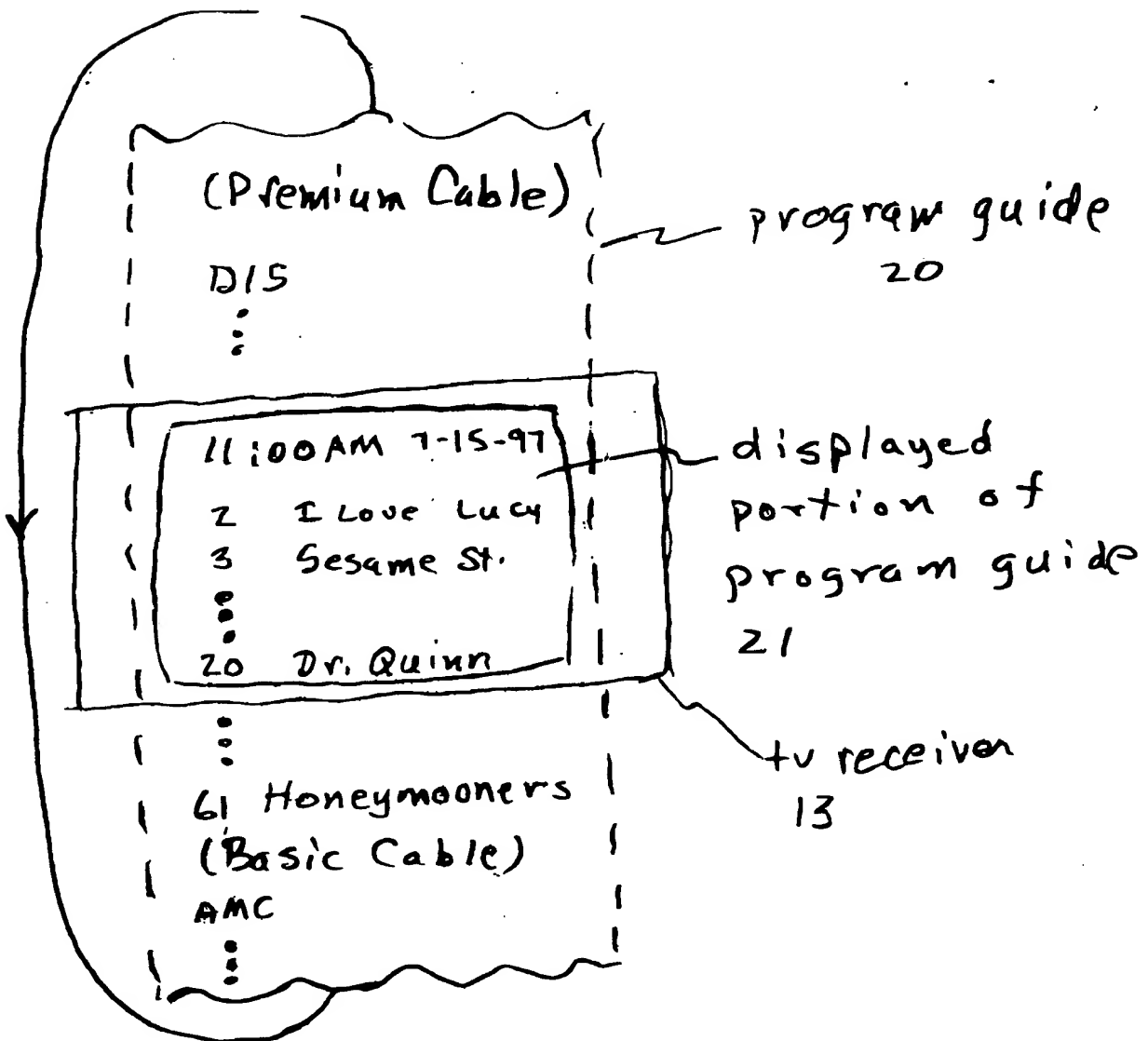


FIG. 2 Program Guide Channel
(Prior Art)

00000210.121297

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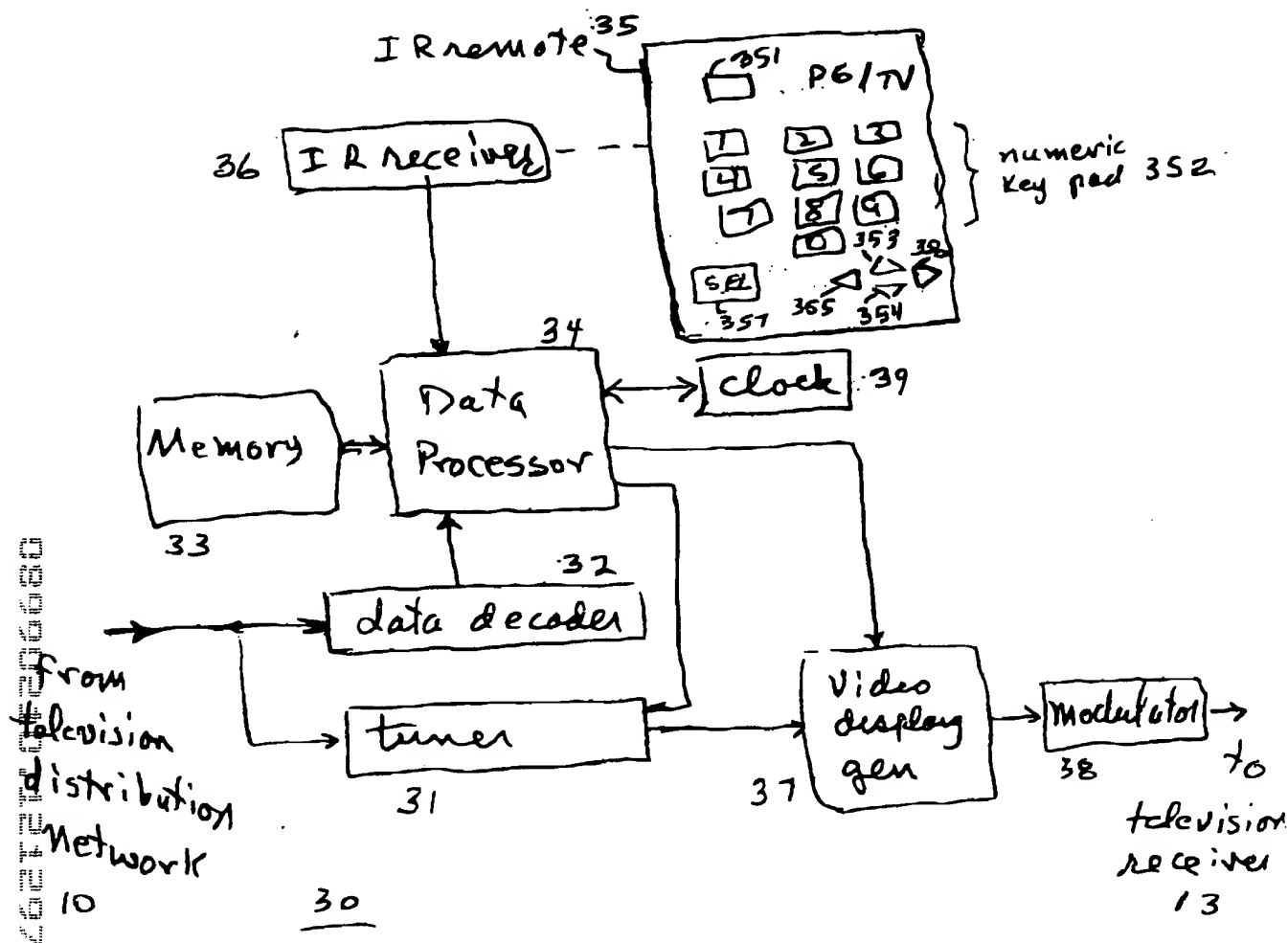


FIG. 3 User-Interface unit for
an Interactive Electronic
Program Guide ^{system} (Prior Art)

partial
program
guide
41

43 selected program
(underlined)

television
receiver

13

FIG. 4 Program Guide Displayed on a Television Receiver

Interactive Electronic Program-Guide System with Sideways Scrolling Capability

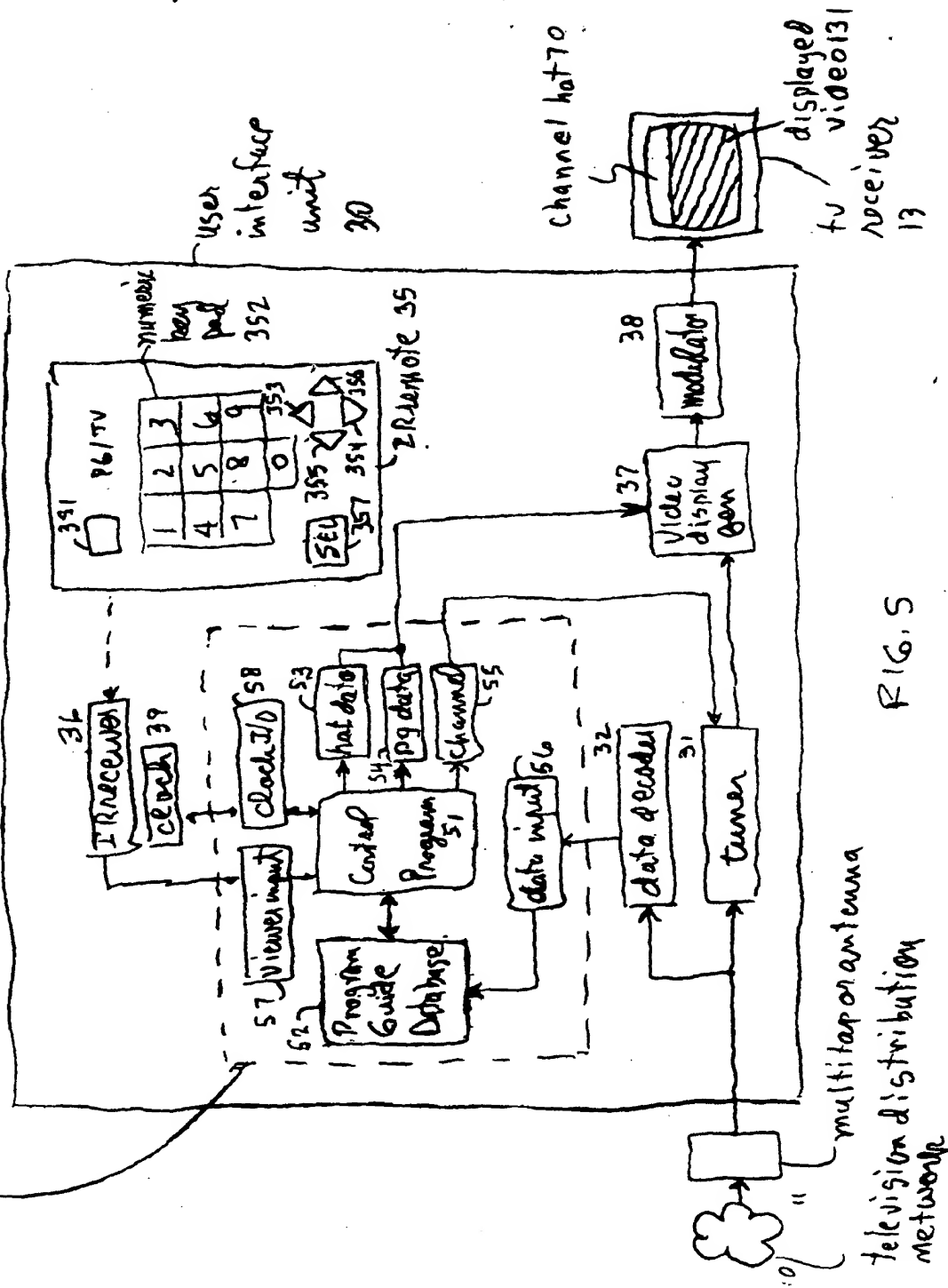


FIG. 5

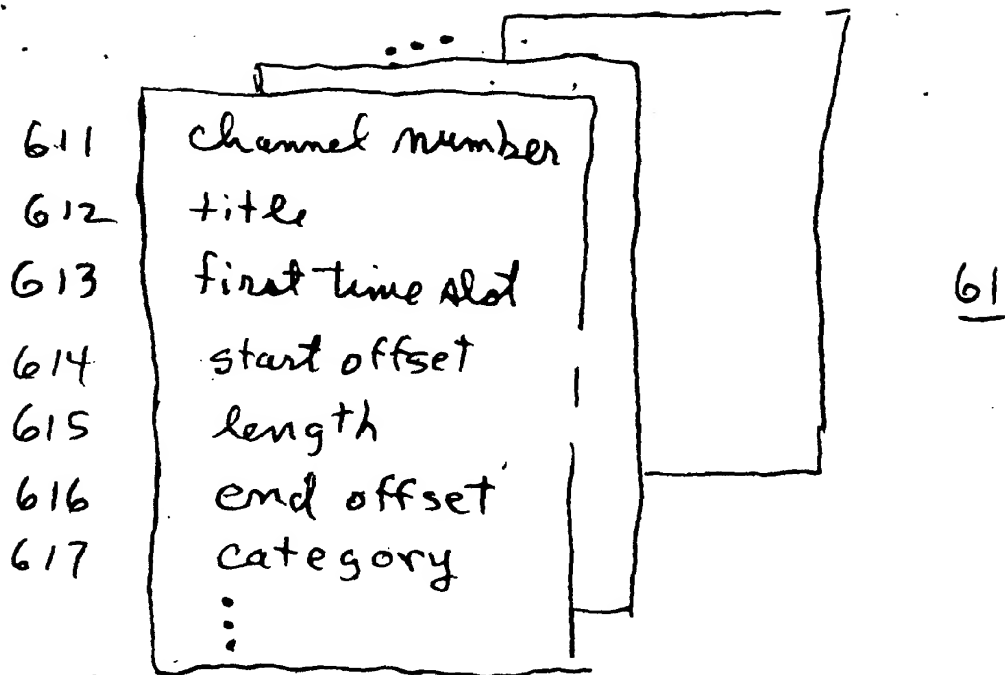


FIG. 6A Program-Guide Database

- 63 SLE Surf left enable
- 64 SLN Surf left channel no.
- 65 SRE Surf right enable
- 66 SRN Surf right channel no.
- 67 NCN Next Category channel no.
- 68 PCN Previous Category Channel no.

FIG. 6C Variables Maintained by
Electronic Program Guide to
Support Sideways Surfing

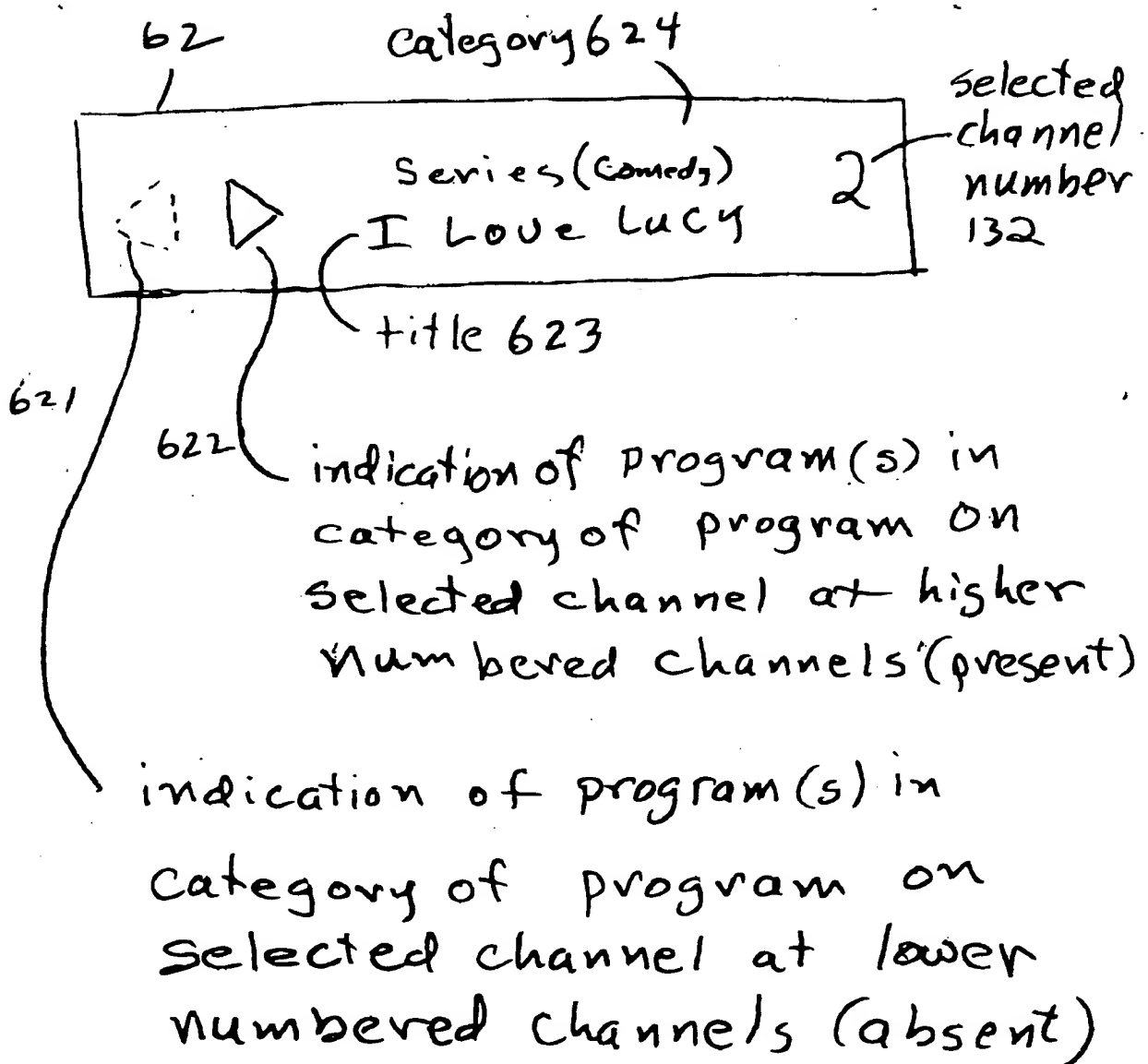
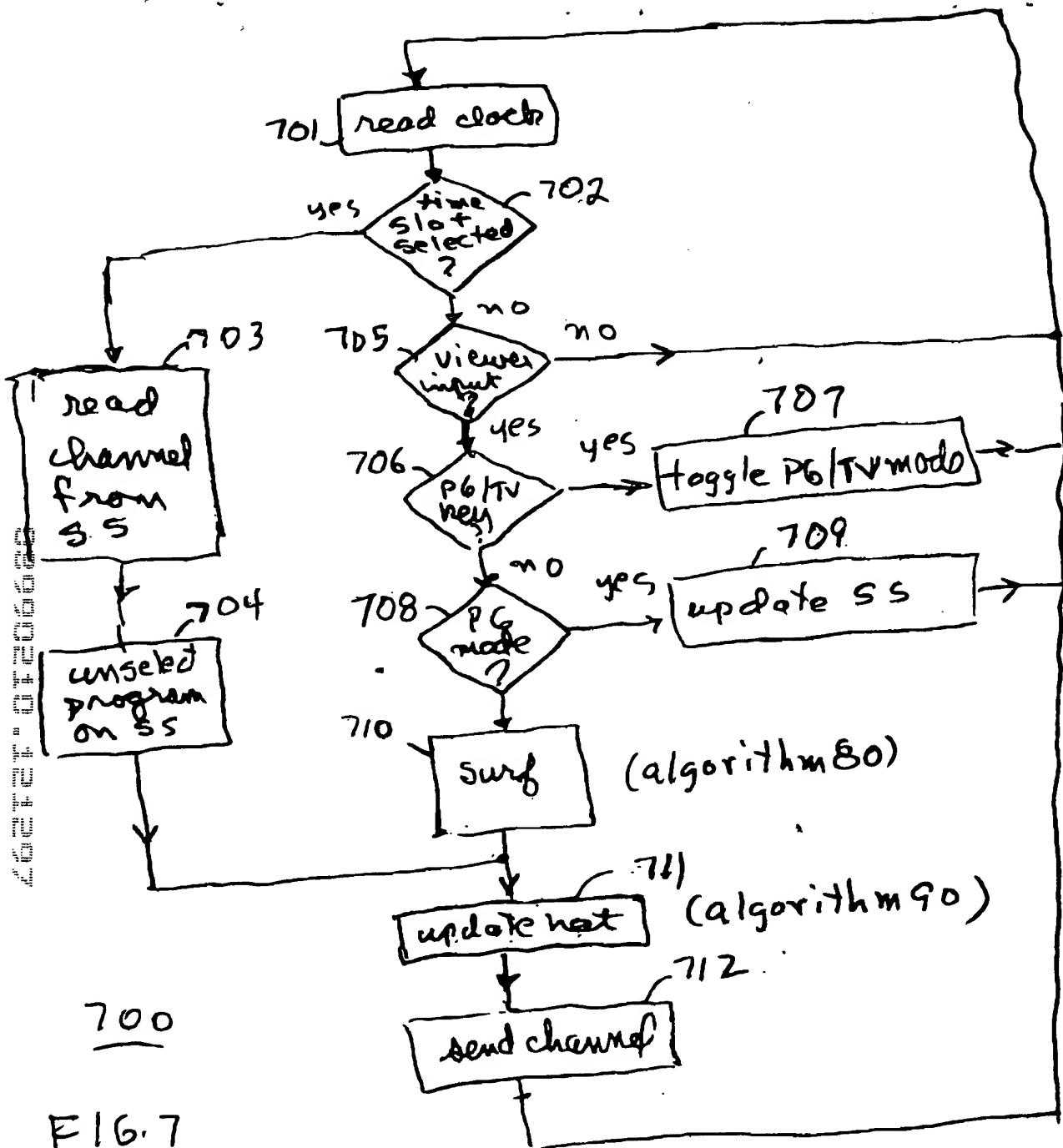


FIG. 6B Channel Hat



80

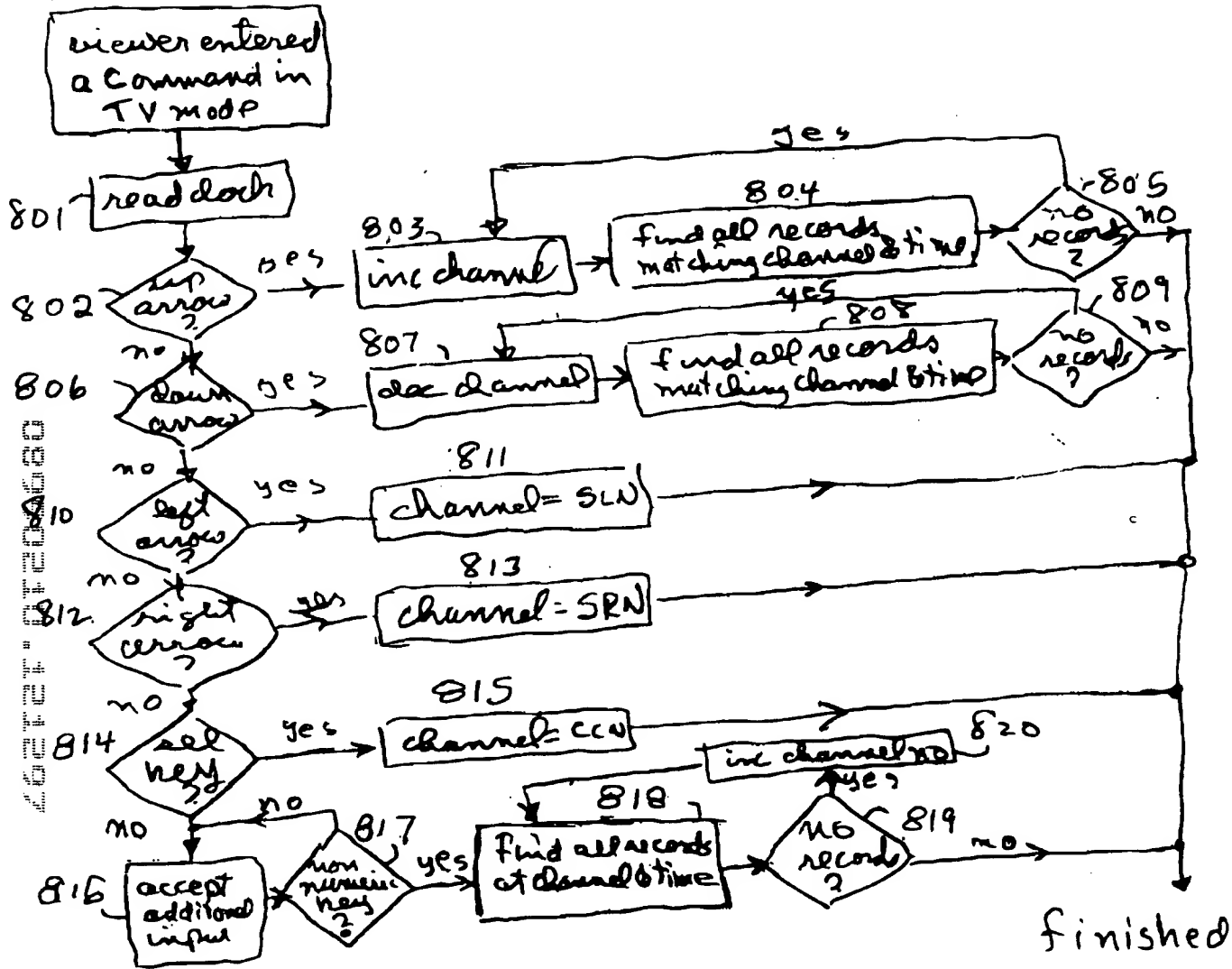
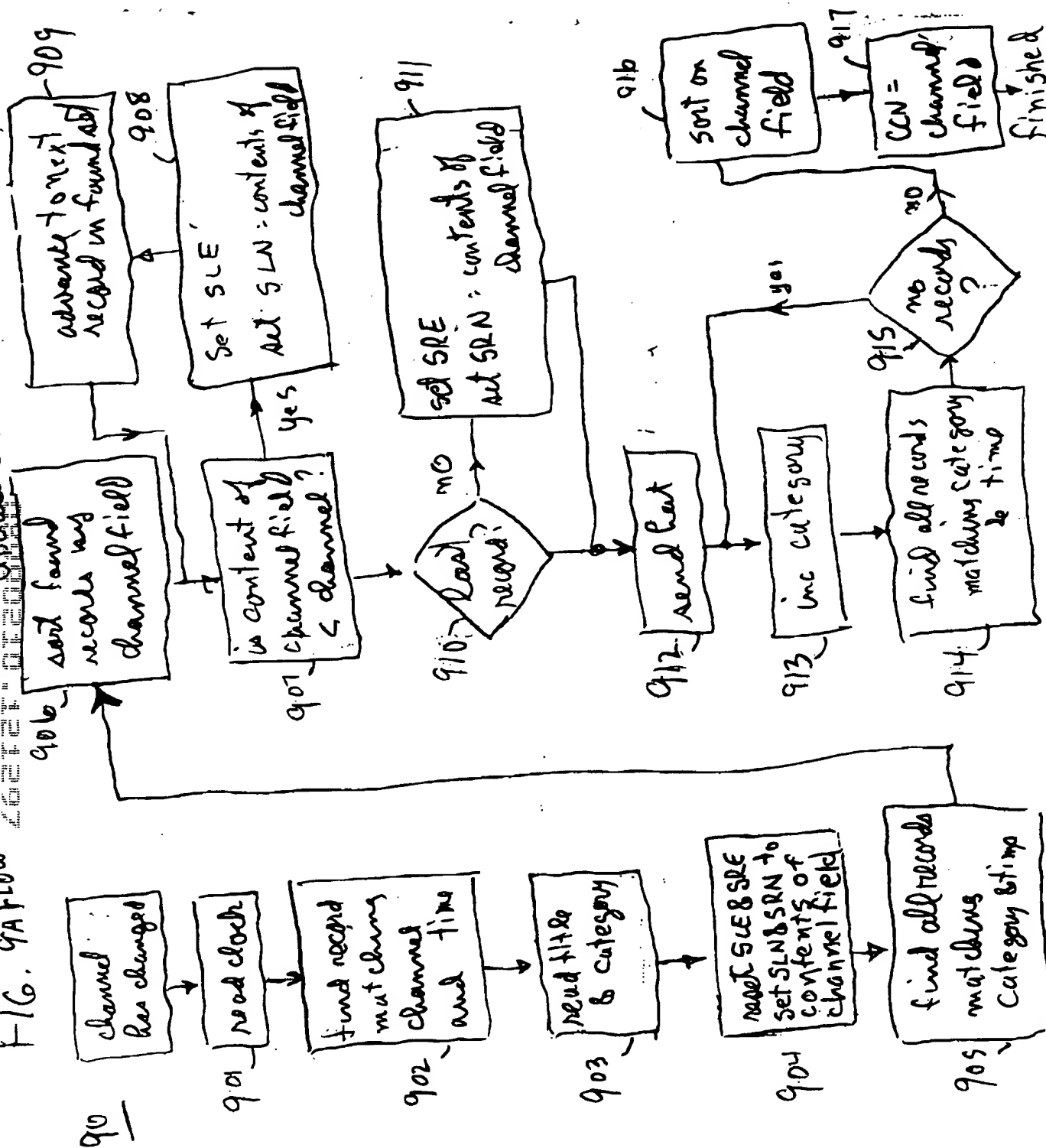


FIG. 8 Flow Chart of Algorithm used in Selecting Channels and Surfing in TV mode.

FIG. 9A Flow Chart of Algorithm for Updating the Channel Hat and



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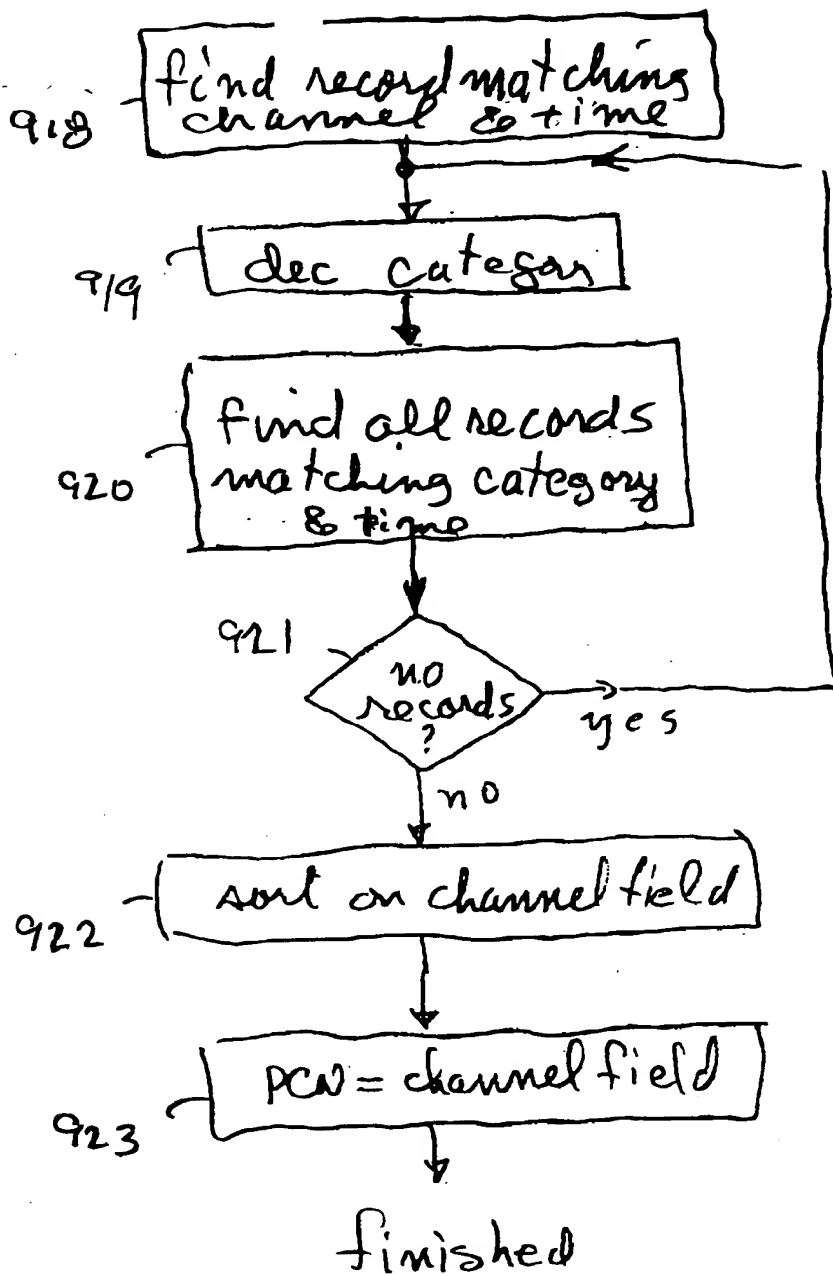


FIG. 9B Steps Added to Algorithm 90 to Prepare for Surfing to a Channel Carrying a Program in the Previous Category